

Industrial Waste Advisory Committee (IWAC) Meeting February 2, 2005

IWAC Attendees: Kevin Burrell, Environmental Coalition of South Seattle (ECOSS)
Ken Gross, GM Nameplate
Sandy Hallberg, Asko Processing
Mike Jeffers, Rebec LLC
Al Rainsberger, Todd Pacific Shipyards
Steve Skodje, Cargill
Chris VanHoof, City of Kent
Scott Woerman, North Creek Analytical Laboratory

Guests: Jonathan Frodge, King County
John Komorita, King County
Heather Trim, People for Puget Sound

IW Attendees: Barbara Badger, Compliance Investigator
Dave Haberman, Compliance Investigator
Elsie Hulsizer, Program Manager
Kristin Painter, Administrator
Dana West, Communications Specialist

Agenda:

1. Announcements and Welcome to New IWAC Member
2. Technological Aspects of Brightwater Treatment Plant
3. Water Quality of our Area's Lakes, Rivers, and Streams

1. Announcements and Welcome to New IWAC Member

- Welcome to new Industrial Waste Advisory Committee (IWAC) member Al Rainsberger of Todd Pacific Shipyards.
- At the next IWAC meeting, Industrial Waste Program staff will make a presentation and lead discussion about Polar Fats Oil, and Grease (FOG) issues including discussion about new chemical solutions for Polar FOG, sampling techniques, and possible changes to Industrial Waste Program ordinance.

2. Technological Aspects of Brightwater Treatment Plant

John Komorita of King County Wastewater Treatment Division gave a presentation on the technological aspects and design plans for the new Brightwater Treatment Plant. The new treatment plant will include: wastewater treatment systems, biosolids production, advanced treatment of a portion of the flows for water reuse, and odor control systems. A new method of secondary treatment will be used at Brightwater called Membrane Bioreactor (MBR) technology. Secondary treatment is the process where soluble and fine suspended dissolved materials (not already removed at preliminary or primary treatment) are removed from the wastewater. MBR technology will be used as an alternative to more conventional secondary

processes known as conventional activated sludge or CAS. MBR technology provides substantially better effluent quality than conventional secondary treatment. MBR effluent is suitable for irrigation of golf courses, playfields, and for industrial heating and cooling. The MBR secondary treatment at Brightwater will be designed to treat about 38 million gallons per day, which would make it the largest MBR system in the world. For more information on the Brightwater Treatment System, visit dnr.metrokc.gov/wtd/brightwater/ on the Web.

3. Water Quality of our Area's Lakes, Rivers, and Streams

Jonathan Frodge of King County Water and Land Resources Division gave a presentation on the quality of fresh waters in the King County area. His group monitors the water and sediment in King County lakes, rivers, and streams. Sampling and flow monitoring sites are distributed around the lakes, rivers, and streams to monitor the long-term environmental quality of these waters. Results from ongoing monitoring and special studies are published in reports and on the Web. Water quality data is used for the development of predictive water quality models that will be used for the long term management of these lakes, rivers, and streams. For more information about this monitoring program and water quality of King County fresh waters, visit dnr.metrokc.gov/topics/lakes/LKStopic.htm on the Web.

The next meeting will be at 9:00 a.m., May 4, 2005. Agenda and location to be determined.